C							
Work Order Friday, July 22, 201					MAT	black	Page 1
Item ID: D3 Revision ID:	405-043		Accept			Setup	
	9/2011 Start Ofy: 2.00 P/2011 Req'd Qty: 2.00	/		Cust Item II Customer:	D:	Must. Ship Aug 101	Stop Manual Manu
	rocess Plan:	Date: 1/-07-22			te:	Run	Start Start
Q	C:	Date:	SPC (Y/N):	Da	te:		Stop
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool # Plan Code	Accept Reje Qty Qty	ect Reject Insp. Number Stamp
Draw Nbr D3405	Revision Nbr						
100	Rev B		0.00				
Waterjet FLOW CNC Waterjet	Dwg Rev Prog Rev		0.00			811-8-2	
QC Quality Control	QC2- Inspect parts of	ff machine FAI/FAIB	0.00			B11-9-	2
120	QC8- Inspect parts - s	second check	0.00				
QC Quality Control	Memo		0.00	8/02		Te	P50-

.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
11-08-		10 + stock 4 x 0 3405-3 under . same batch # 72073	me	11-08	4		

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC	Corrective Action Section B			Verification	Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Initial Action Description Sign &		Section C	Chief Eng	QC Inspecto		
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	·							-		
				**						

Work Order ID 72073

Friday, July 22, 2011 9:17:05 AM



Page 2

Item ID:

D3405-043

Accept



Setup Start

Stop



Revision ID:

Item Name:

Required Date: 7/29/2011

Lug Assembly

Start Date:

7/19/2011

Start Oty: 2.00

Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Code

Tool # Plan

Run Start

Reject

Qty

Stop



Sequence ID/

Work Center ID

130

Brake NC

Brake NC

Operation Description

NC BRAKE

Memo 1-Deburr

2-Form using DT8204 as per Dwg D3405

3- use DT9681 to check if correct forming

Set Up/ **Run Hours**

0.00

0.00

0.00

0.00

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Tool ID

Qty

Accept

Reject Insp. Number Stamp

140

QC

Quality Control

QC5- Inspect part completeness to step on W/O

150

Large Fab

Large Fab

Weld per dwg A/R S.S. rod Batch: 117659

Large Fab

Memo

Memo

Weld as per Dwg D3405 use DT8484 Identify as D3405-043

M117659

11-08-11 JOC/6/108-11

Dart Aerospace

	- opas-									/
W/O:			V	VORK ORDER CHA	NGES		• .			
DATE	STEP	PROC	EDURE CH	IANGE	E	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No		PAR #:	Fault Ca							
	R	esolution:					ed:		Date:	
NCR:		We	ORK OR	DER NON-CONFOR	RMANCE (NCR)				
DATE	STEP	Description of NC			Section B		Verific	ation	Approval	Approval
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Work Order ID 72073

Friday, July 22, 2011 9:17:05 AM



Page 3

Item ID:

D3405-043

Accept



Setup Start



Revision ID:

Start Date:

Item Name:

Required Date: 7/29/2011

Lug Assembly 7/19/2011

Start Qty: 2.00 Req'd Qty: 2.00

Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

Date: Tooling:

Date:

Run

Start

Stop



OC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID

160

Quality Control

Operation **Description**

QC9- Inspect visual per QSI004- Fusion Welds

Memo

Memo

Memo

Set Up/ **Run Hours**

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

0.00

170

QC

Quality Control

QC5- Inspect part completeness to step on W/O

186

Powdercoat

Powder Coating

Black Sandtex(Ref:4.3.5.7) per QSI005 4.3

START TIME:

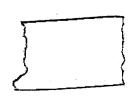
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0.00

SOONE OOVEN TEMPERATURE:

FINISH TIME:



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W/O:		The state of the s	W	ORK ORDER CHANG	ES	· · · · · · · · · · · · · · · · · · ·				
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NCR:		V	VORK ORD	ER NON-CONFORMA	ANCE	(NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Description Chief Eng	ion B	Sign & Date		cation ion C	Approval Chief Eng	Approval QC Inspector
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Work Order ID 72073

Friday, July 22, 2011 9:17:05 AM



Page 4

Item ID:

D3405-043

Accept



Setup Start

Revision ID:

Item Name: Lug Assembly

Required Date: 7/29/2011

Start Date:

7/19/2011

QC:

Start Qty: 2.00

Req'd Qty: 2.00



Date:

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: Tooling:

SPC (Y/N):

Date:

Tool ID

Date:

Tool # Plan

Code

Run

Start

Stop



Sequence ID/ Work Center ID

190

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

0.00

0.00

Accept

Qty

Reject

Otv

Stop

Reject Insp.

Stamp

200

Packaging

Identify as per dwg & Stock Location:

0.00

0.00

Number

Packaging

210

Quality Control

QC21- Final Inspection - Work Order Release

Memo

Memo

0.00

0.00

Duit Aci	ospace	Ltu								
W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	CEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Cat	egory:	_ NCR	R: Yes N	lo DQ .	A:	_ Date: _	
	R	esolution:	Dispositi	on:	QA:	N/C Clo	sed:		Date: _	
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DATE	STEP	Description of NC			tion B		Verific	cation	Approval	Approval
DAIL	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti	on C	Chief Eng	QC Inspector
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Picklist Print

Tuesday, July 19, 2011 9:05:28 AM

Work Order ID: 72073

Parent Item: D3405-043

Parent Item Name: Lug Assembly



Start Date: 7/19/2011 **Start Qty:** 2.00

Required Date: 7/29/2011

Page 1

Required Qty: 2.00

Comments:

IPP A□05.09.01□New issue□KJ/JLM□

IPP B 09.01.28 Rev b dwg EC verified by: DD

		8		•									
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3404-1 		Manufactured	No			100	Each	31.0000		2			· · · · · · · · · · · · · · · · · · ·
				Location		Loc	<u>Oty</u>	Loc Code			0		
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					70664		28		· · · · · · · · ·		_	и- (1-0	8/1/
				WA030			3		_	*	_		
					67127		3		_		_		
M304S11GA		Purchased	No			150	sf	79.0000	0.154	0.32421	1 1		
											11-8-2		
304/316 0.125 Sheet				Location		Loc	Ofv	Loc Code		•		<u> </u>	
						Loc		<u>Loc Code</u>				<i>((</i>)	
				MAT020			79 70		- -	17494	_	(b)	
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NCR:		\	WORK ORDE	R NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
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	1								

DART AEROSPACE LTD	Work Order:	726.73
Description: GHW Bracket	Part Number:	D3405-3
Inspection Dwg: D3405 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.438	+0.006/-0.001	,438	4		VDUZ	
1.50	+/-0.030	1.519	4		V	
1.750	+/-0.010	1,746	8		V	
R0.63	+/-0.030	163	4		R.G.	
3.00	+/-0.030	3.007	>		V	
8.00	+/-0.030	8.005	4		V	
6.751	+/-0.005	6.753	8		V	

Measured by:	Audited by:	Prototype Approval:	N/A
Date: 11-8-2	Date: Wosla	Date:	N/A

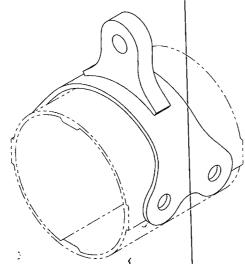
Rev	Date	Change	Revised by	Approved
Α	06.09.01	New Issue P/O D3405-043	KJ/JLM	/1//
В	09.05.04	Dimensions update per Dwg Rev. B	KJ/DD +	Chall

W/O:			WC	ORK ORDER CHANG	ES						
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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DATE	STEP	Description of NC		on B	Verifi	cation	Approval	Approval			
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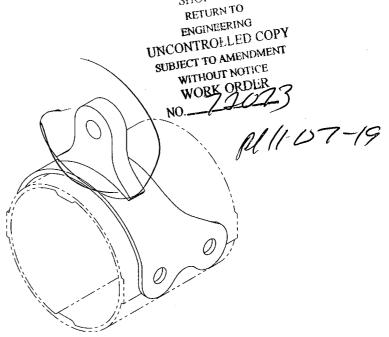
ITEM QTY. QTY. -043 PART NUMBER DESCRIPTION No. Х D3405-041 LUG ASSEMBLY 2 D3405-043 LUG ASSEMBLY Х 11 D3404-1 GHW LUG 12 D3405-1 GHW BRACKET 1 13 D3405-3 GHW BRACKET



5



D3405-041 LUG ASSEMBLY D3405-043 LUG ASSEMBLY (SKID TUBE SECTION SHOWN (SKID TUBE SECTION SHOWN FOR REF ONLY) FOR REF ONLY)



SHOP COPY

3

DRAWING REDRAWN IN SOLIDWORKS WITH CURRENT STANDARDS AND TRANSFERED TO TO SIZE BORDER. FLAT PATIERNS FOR. 1 & 3. INCREASED IN LERGITH TO PREVENT FOULING AT INST. (SEE PAR198). SHEETS 3 & 4 ZONE & 6 4.120 DIM WAS 4.100. 08.09.19 NEW ISSUE Α 05.03.08 REV. DESCRIPTION DATE DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. B D3405 MFG. APPR. SHEET 1 OF 4 APPROVED TITLE SCALE GHW LUG ASSEMBLY DE APPR. NTS COPYRIGHT @ 2005 BY DART AEROSPACE LTD DATE 08.09.19

1) MATERIAL: N/A

8

2) FINISH: POWDER COAT ASSEMBLY WHITE (4.3.5.2) PER DART QSI 005 4.3 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3405-041" USING FINE POINT PERMANENT INK MARKER
IDENTIFY WITH DART P/N "D3405-043" USING FINE POINT PERMANENT INK MARKER

7) WEIGHT: -041, 0.85 lbs

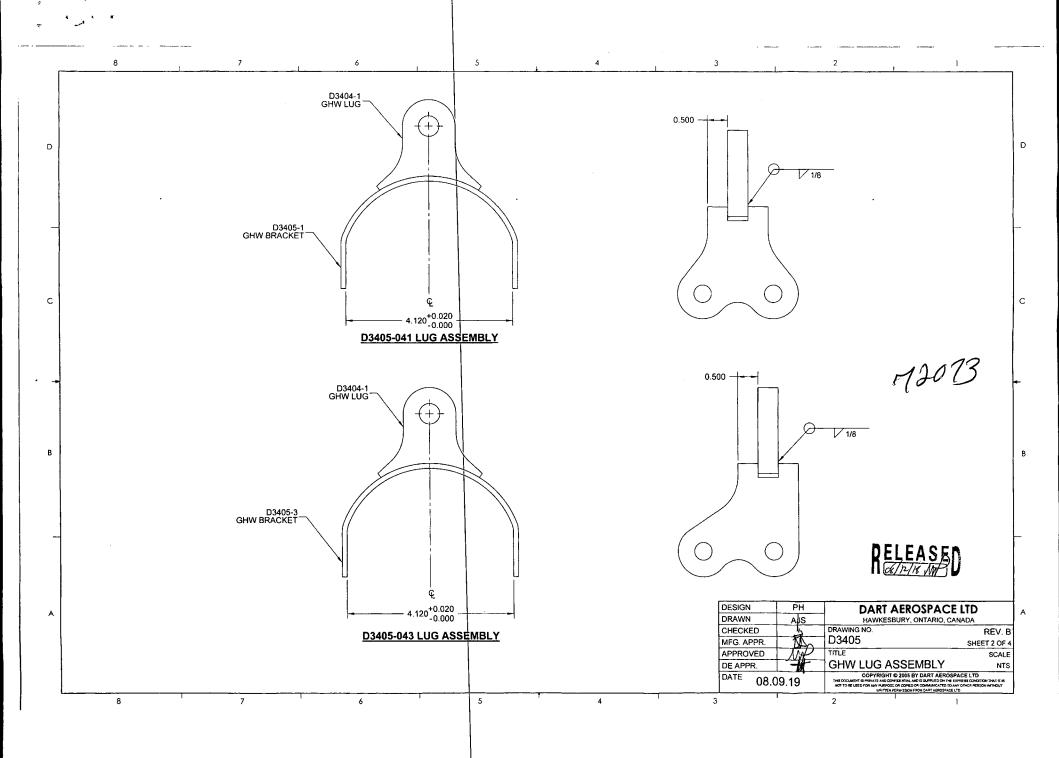
-043, 0.87 lbs

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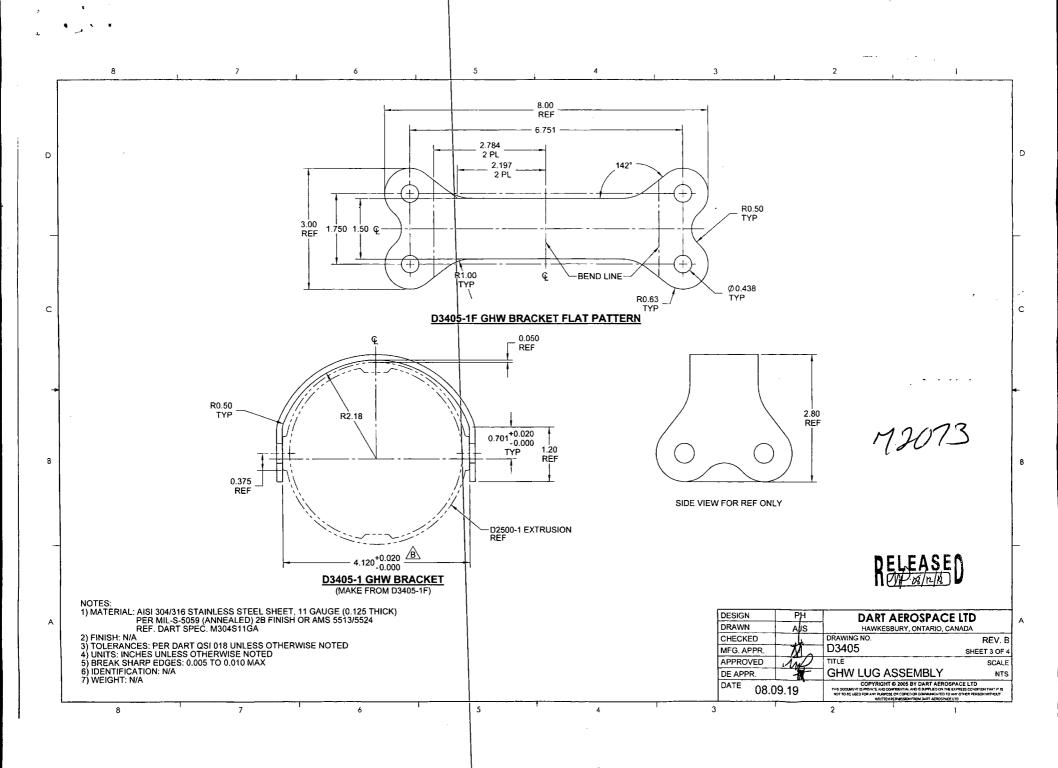
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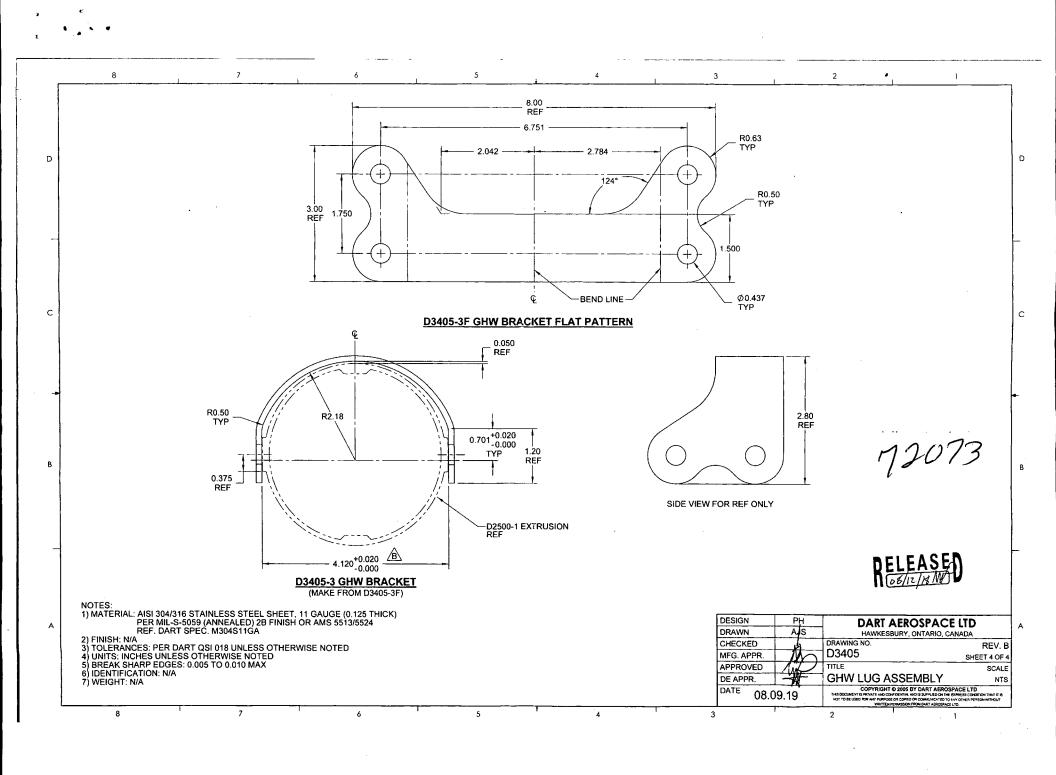
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